

DART SERVICE BULLETIN SB17-1

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 REF. EASA STC: 10052022
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 REF. PHILIPPINES LOA: C-16-0221
 REF. CHINA VSTC: VSTC0757
 REF. RUSSIA TC: CT316-A119

You are receiving this Service Bulletin from Leonardo Helicopters Division (AgustaWestland Philadelphia Corporation or AWPC) because they have determined that your aircraft is affected.

DART Aerospace Ltd. has learned that the D5122-1 Center Support on some aircraft may not have been installed in accordance with Section 3.2 of DART Installation Instructions IIN-D119-796. The discrepancy has to do with bonding the stainless steel D5122-1 Center Support on bare aluminum crosstube.

Furthermore, the D119-796-101/-103/-141/-151/-201/-203/-241/-251 Crosstubes installed on aircraft delivered by AWPC may not be finished in accordance with Section 5.3.12 and Figure 5.4 of DART Instructions for Continued Airworthiness ICA-D119-796. As a result, the crosstubes do not feature an inspection window on their underside. The reason for the inspection window on the underside of the crosstubes is to facilitate inspection and detection of small cracks to prevent premature failure of the crosstube.

The aircraft serial numbers affected are: 14835, 14839-14843, 14846, 14847 and 14901-14937.

To preserve the integrity of the Dart Crosstubes, the D5122-1 Center Supports should be removed and re-installed on the D119-796-201/-203/-241/-251 Aft Crosstubes and the D119-796-101/-103/-141/-151/-201/-203/-241/-251 Crosstubes should be refinished:

- Prior to reaching 10,000 landing cycles, or;
- If the crosstube requires removal/re-finishing after LPI as part of a 400 Hour/Annual Inspection, or;
- If the D5122-1 Center Support requires removal as part of a crosstube inspection.

Re-finishing of the D119-796-101/-103/-141/-151/-201/-203/-241/-251 Crosstubes must comply with Section 5.3.12 and Figure 5.4 of DART Instructions for Continued Airworthiness ICA-D119-796.

Re-installation of the D5122-1 Center Support must comply with Section 32.4 of DART Instructions for Continued Airworthiness ICA-D119-796. The D5122-1 Center Support must be installed on the primed surface of the crosstube to prevent corrosion between the aluminum crosstube and the stainless steel support.

APPROVED

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